In the Claims:

1-20 (Cancelled)

21. (New) A welder and compressor combination comprising:

a transportable housing;

an engine mounted in at least a portion of the transportable housing;

an electrical generator configured to generate an arc welding current, the electrical generator mounted within the transportable housing to be driven by the engine; and

a screw air compressor driven by the engine.

22. (New) The combination of claim 21 further comprising a clutch disposed between the screw air compressor and the engine.

23. (New) The combination of claim 21 further comprising a belt in operable association and driven by the engine to drive the screw air compressor and an oil separator tank connected to the screw air compressor to separate oil from compressed air.

24. (New) The combination of claim 21 further comprising an air filter configured to filter air to the screw air compressor and to supply air to a system output.

25. (New) The combination of claim 21 further including a compressor oil cooler assembly connected to the screw air compressor and capable of reducing a temperature of compressor oil.

26. (New) The combination of claim 25 wherein the compressor oil cooler assembly includes a dual purpose radiator having two cooling chambers, where one chamber cools compressor oil and a second chamber cools engine coolant.

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27. (New) The combination of claim 21 further including an inlet control valve pressure regulated and connected to control the flow of air in the screw air compressor.

28. (New) The combination of claim 21 further comprising a first mounting bracket connecting the screw air compressor to the engine such that a longitudinal length of the screw air compressor is aligned with a longitudinal length of the engine.

29. (New) An engine driven welder combination comprising:

a welder housing having internal components mounted thereto;

an engine mounted within the welder housing;

an electrical generator connected to the engine to generate an arc welding current; and

a non-reciprocating air compressor connected to the engine driven welder to be driven by the engine.

30. (New) The engine driven welder combination of claim 29 further comprising a pulley arrangement mounted to the engine and a belt drivingly connecting the non-reciprocating air compressor to the engine via the pulley arrangement.

31. (New) The engine driven welder combination of claim 29 further comprising a first mounting bracket and a second mounting bracket, wherein each of the first and second mounting brackets are connected to only one of an engine block and an engine head.

32. (New) The engine driven welder combination of claim 31 wherein the first and second mounting brackets are connected to one another and the first mounting bracket supports the non-reciprocating air compressor.

33. (New) A welding and air compression system comprising:

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means for compressing air having at least one rotating means in a longitudinal cylinder to generate compressed air;

means for generating an arc welding current;

means for driving both the means for compressing air and the means for generating an arc welding current; and

means for connecting the air compressing means to the means for driving.

34. (New) The welding and air compression system of claim 33 further comprising a means for separating an air and a fluid generated by the air compressing means.

35. (New) The welding and air compression system of claim 33 further comprising a means for cooling compressor oil.

36. (New) The welding and air compression system of claim 33 wherein the means for compressing air is a screw air compressor.

37. (New) The welding and air compression system of claim 33 wherein the means for generating an arc welding current includes an engine driven generator.

38. (New) The welding and air compression system of claim 33 wherein the means for driving includes an engine capable of receiving an externally mounted air compressor.

39. (New) The welding and air compression system of claim 33 further comprising a means for controlling the means for compressing air.

40. (New) The welding and air compression system of claim 39 wherein the means for controlling the means for compressing air is a magnetic clutch assembly.

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